



(12) **United States Plant Patent**
Ingvaldstad

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(54) **BEGONIA PLANT NAMED ‘BBERE14-0’**

(50) Latin Name: *Begonia**x**tuberhybrida*
Varietal Denomination: **BBERE14-0**

(76) Inventor: **Ola Ingvaldstad**, Brummundal (NO)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** **Plt./343**

(58) **Field of Classification Search** **Plt./343**
See application file for complete search history.

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(57) **ABSTRACT**

A new and distinct *Begonia**x**tuberhybrida* cultivar named ‘BBERE14-0’ is disclosed, characterized by an abundance of outwardly facing, semi double red flowers, bright green, glossy foliage, flexible stems and a short period to begin flowering. The new variety is a *Begonia*, and is normally used as an ornamental garden or container plant.

2 Drawing Sheets

1

Latin name of the genus and species: *Begonia**x**tuberhybrida*.

Variety denomination: ‘BBERE14-0’.

BACKGROUND OF THE INVENTION

The new cultivar is a product of a chance discovery. The new variety originated as a chance, whole plant mutation from the, unpatented, variety *Begonia**x**tuberhybrida* ‘Karels Jomfru Rød’ The new variety was discovered by the inventor, Ola Ingvaldstad, a citizen of Norway, at a research greenhouse in Brummundal, Norway during 2008, among a planting of the parent variety.

Asexual reproduction of the new cultivar ‘BBERE14-0’ was first performed in Norway in 2009. ‘BBERE14-0’ has since produced several generations by vegetative cuttings and has shown that the unique features of this cultivar are stable and reproduced true to type.

SUMMARY OF THE INVENTION

The cultivar ‘BBERE14-0’ has not been observed under all possible environmental conditions. The phenotype may vary somewhat with variations in environment such as temperature, day length, and light intensity, without, however, any variance in genotype.

The following traits have been repeatedly observed and are determined to be the unique characteristics of ‘BBERE14-0.’ These characteristics in combination distinguish ‘BBERE14-0’ as a new and distinct *Begonia**x**tuberhybrida* cultivar:

1. Abundance of semi-double red flowers
2. Bright, glossy green foliage
3. Short period for plants to begin flowering
4. Flexible plant stems, resisting breakage.
5. Outwardly facing flowers.

PARENT COMPARISON

Plants of the new cultivar ‘BBERE14-0’ are similar to plants of the parent variety, *Begonia**x**tuberhybrida* ‘Karels Jomfru Rød’ in most horticultural characteristics. However, plants of the new cultivar ‘BBERE14-0’ produce semi-double flowers, compared to fully double flowers. Additionally, the

2

new variety flowers one week sooner from a rooted cutting than the parent, and produces a brighter red flower.

COMMERCIAL COMPARISON

5 Plants of the new cultivar ‘BBERE14-0’ are similar to plants of the unpatented commercial variety, *Begonia**x**tuberhybrida* ‘Red Multiflora’ in most horticultural characteristics. However, plants of the new cultivar ‘BBERE14-0’ produce more flexible branches, brighter green, glossier foliage and more flowers per plant.

10 Plants of the new cultivar ‘BBERE14-0’ are similar to plants of the unpatented commercial variety, *Begonia**x**tuberhybrida* ‘Chanson Red’ in most horticultural characteristics. However, plants of the new cultivar ‘BBERE14-0’ produce more flexible branches, brighter green, glossier foliage and more flowers per plant.

BRIEF DESCRIPTION OF THE PHOTOGRAPH

20 The accompanying photograph in FIG. 1 illustrates in full color a typical plant of ‘BBERE14-0’ grown in a greenhouse in Oxnard, Calif. The pot size is a commercial 10 inch basket. The plant shown is approximately 9 months old.

25 FIG. 2 illustrates a close-up view of the flowers and foliage. The photograph was taken using conventional techniques and although colors may appear different from actual colors due to light reflectance it is as accurate as possible by conventional photographic techniques.

DETAILED BOTANICAL DESCRIPTION

30 In the following description, color references are made to The Royal Horticultural Society Colour Chart except where general terms of ordinary dictionary significance are used. The following observations and measurements describe ‘BBERE14-0’ plants grown in a commercial climate controlled greenhouse in Oxnard, Calif. Temperatures ranged from 15° C. to 28° C. during the day and 18° C. to 22° C. at night No artificial light, photoperiodic treatments or chemical treatments were given to the plants. Measurements and numerical values represent averages of typical plant types.

40 Botanical classification: *Begonia**x**tuberhybrida* ‘BBERE14-0’

Age of plant described: Approximately 9 months.

Container size of plant described: 10 inch basket.

PROPAGATION

Type of propagation typically used: Vegetative cuttings.

Time to roots: About 20 days at approximately 20° C.

Time to produce a rooted cutting/liner: About 30 to 35 days at approximately 20-22° C.

Root description: Moderately dense, moderately branched, fine, fibrous, not fleshy, colored near RHS Grey 201C

PLANT

Growth habit: Mounding, fleshy annual.

Pot size of plant described: 10 inch.

Height: Approximately 32 cm.

Plant spread: Approximately 90 cm.

Growth rate: Rapid.

Branching characteristics: Free branching with numerous lateral branches occurring from multiple basal branches.

Length of primary lateral branches: Approximately 29 cm.

Quantity of primary lateral branches: More than 50

Characteristics of primary lateral branches:

Form.—Round in cross section.

Diameter.—Approximately 0.6 cm.

Color.—Background color near RHS Yellow-Green 144C. Main color is Greyed-Orange 174B.

Texture.—Glabrous, shiny.

Strength.—Moderately strong, fleshy, flexible.

Internode length.—Approximately 2.5 cm on average.

FOLIAGE

Orientation.—Outwardly facing foliage. Varies between 75° from stem to 105° angle from stem. Curved peduncle,

Strength.—Very strong, resists breakage.

Texture.—Smooth, glabrous.

Appearance.—Shiny.

Arrangement.—Alternate.

Quantity.—Approximately 20 per primary lateral branch.

Average length.—Approximately 7.7 cm.

Average width.—Approximately 2.4 cm.

Shape of blade.—Reniform.

Apex.—Acute.

Base.—Cordate, asymmetrical.

Margin.—Double serrate.

Texture of top surface.—Glabrous.

Texture of lower surface.—Glabrous.

Pubescence.—None.

Aspect.—Flat, to slightly recurved. Curve occurring more towards apex.

Color.—Young foliage upper side: Near RHS Green 137A. Margin near Red-Purple 61B. Young foliage under side: Near RHS Green 138B with strong flush near Greyed-Red 180D. Mature foliage upper side: Near RHS Green 139A. Mature foliage under side: Near RHS Green 138B.

Venation.—Type: Palmate. Venation color upper side: Near RHS Yellow-Green 144B. Venation color under side: Near RHS Green 138C with slight flush near Greyed-Red 180C.

Petiole.—Length: Average Range Approximately 1.5 to 3.1 cm. Diameter: Approximately 0.2 cm. Color: Near RHS Greyed-Red 180B. Texture: Pubescent.

Stipule description.—Irregularly present, occurring in 1 or 2 per node, non-fleshy, transparent, becoming com-

pletely papery before leaves fully expand. Length: Approximately 0.3 cm. Diameter: Approximately 0.2 cm. Color: Near RHS Yellow-Green 145D with slight flush near Greyed-Red 181 B. Texture: Glabrous.

Flower

Flowering habit: Continuously flowering during Spring and Summer.

Inflorescence and flower type and habit: Outwardly facing single flowers arranged in axillary cymes. Cymes held above foliage, approximately 3 to 5 open flowers per cyme.

Cyme size:

Diameter.—Approximately 15 cm.

Height.—Approximately 6.0 cm.

Flower longevity on plant: About 10 days.

Persistent or self-cleaning: Self-Cleaning.

Bud:

Shape.—Flattened oval.

Length.—Approximately 1.7 cm.

Diameter.—Approximately 0.8 cm.

Color.—Near RHS Red 46A.

Flower size:

Diameter.—Approximately 5.0 cm.

Depth.—Approximately 2.9 cm.

Tepals:

Quantity.—Approximately 4 fully expanded, with 2 larger, and 2 slightly smaller. Additionally, 2 more, highly reduced in size also occurring in mature flowers.

Arrangement.—Rosette.

Length.—Approximately 2.9 cm.

Width.—Approximately 2.0 cm.

Shape.—Broad deltoid.

Apex.—Acute.

Base.—Truncate.

Margin.—Entire.

Aspect.—Flat to very slight undulation.

Texture, upper surfaces.—Shiny.

Texture, lower surfaces.—Matte.

Color.—When opening, upper surface: Near RHS Red 45A. When opening, lower surface: Near RHS Red 45A. Fully opened, upper surface: Near RHS Red 45A. Fully opened, lower surface: Near RHS Red 45A. Fading to: Near RHS Red 45C, both sides.

Flower bracts:

Quantity.—2 per cyme, and normally 2 per flower.

Shape.—Broad deltoid.

Length.—Approximately 0.6 cm.

Diameter.—Approximately 0.8 cm.

Apex.—Obtuse.

Margin.—Entire, slightly dentate near apex.

Texture.—Pubescent.

Aspect.—Slightly rolled inward.

Color.—Near RHS Red 53A, base near Yellow-Green 145C.

Peduncles:

Length.—Average Approximately 4.0 cm.

Diameter.—Approximately 0.2 cm.

Angle.—About 75° to the lateral branch.

Strength.—Moderate, flexible.

Texture.—Glabrous, shiny.

Color.—Near RHS Yellow-Green 152C with strong flush near Red 53A.

Pedicels:
 Length.—Average Approximately 2.1 cm.
 Diameter.—Approximately 0.1 cm.
 Angle.—About 15° to the peduncle.
 Strength.—Moderate, flexible.
 Texture.—Glabrous, shiny.
 Color.—Near RHS Green-Yellow 1C.
Fragrance: Faint.

REPRODUCTIVE ORGANS

Stamens:
 Number.—Approximately 25 to 30.
Anthers:
 Description.—Clublike.
 Length.—Approximately 0.6 cm.
 Color.—Near RHS Yellow 7B.
 Pollen.—Not observed.
Pistil:
 Number.—1.
 Length.—Approximately 0.5 cm.

Style.—Length: Approximately 0.4 cm. Color: Near RHS Yellow 3C.
Stigma.—Shape: Columnar. Color: Near RHS Yellow 2D. Ovary Color: Near RHS Yellow 2D.

OTHER CHARACTERISTICS

Seeds and fruits:
 Fruit.—Description: Winged capsule. Wing Length: Approximately 0.9 cm. Overall Fruit Length: Approximately 1.4 cm. Overall Fruit Diameter: Approximately 0.8 cm. Color: Near RHS Yellow-Green 144B with slight flush on edges near Red 53A.
 Seed production.—Not observed to date.
Disease/pest resistance: Neither resistance nor susceptibility to diseases or pests has been observed in this variety.
Temperature tolerance: The new variety tolerates temperatures from approximately 5° to 25° C.
What is claimed is:
 1. A new and distinct cultivar of *Begonia* plant named ‘BBERE14-0’ as herein illustrated and described.

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Fig. 1



Fig. 2